

Title (en)  
PREPARATION OF AMPHIPHILIC BLOCK POLYMERS BY CONTROLLED RADICAL MICELLAR POLYMERISATION

Title (de)  
HERSTELLUNG VON AMPHIPHILEN BLOCKPOLYMEREN DURCH KONTROLLIERTE RADIKALISCHE MIZELLARE POLYMERISATION

Title (fr)  
PREPARATION DE POLYMERES SEQUENCES AMPHIPHILES PAR POLYMERISATION RADICALAIRE MICELLAIRE A CARACTERE CONTROLE

Publication  
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Application  
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Abstract (en)  
[origin: WO2013060741A1] The present invention relates to the preparation of block copolymers, which can be used in particular as rheology agents, suitable, inter alia, for oil extraction, comprising a step of radical micellar polymerisation wherein the following are brought into contact in an aqueous medium: - hydrophilic monomers, dissolved or dispersed in the aqueous medium; - hydrophobic monomers in the form of a micellar solution, i.e. containing, in a dispersed state, micelles comprising these hydrophobic monomers; - at least one radical polymerisation initiator; and - at least one radical polymerisation control agent. The polymers obtained according to the invention can be used in particular for enhanced oil recovery (EOR).

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